CRUSTACEANA

CRUSTACEANA

INTERNATIONAL JOURNAL OF CRUSTACEAN RESEARCH

Editorial Board:

J. Forest, Paris, France
I. Gordon, London, Great Britain
L. B. Holthuis, Leiden, Netherlands
A. G. Humes, Boston, U.S.A.
H. K. Schminke, Oldenburg, Germany
J. H. Stock, Amsterdam, Netherlands
J. C. von Vaupel Klein, Leiden, Netherlands

Secretary of the Editorial Board:

J. H. Stock, Zoological Museum, Plantage Middenlaan 53, P.O. Box 20125, 1000 HC Amsterdam, Netherlands.

Advisory Editors:

F. A. Chace, Jr. (Washington, U.S.A.); E. Dahl (Lund, Sweden); M. F. Glaessner (Adelaide, Australia); H.-E. Gruner (Berlin, German Democratic Republic); J. P. Harding (London, Great Britain); D. E. Hurley (Wellington, New Zealand); A. Lemos de Castro (Rio de Janeiro, Brazil); Th. Monod (Paris, France); H. Schöne (Seewiesen über Starnberg, Federal Republic of Germany).

CRUSTACEANA

INTERNATIONAL JOURNAL OF CRUSTACEAN RESEARCH

56786

VOLUME XLI

LIBRARY
NATIONAL MARINE FISHERIES SERVICE
HONOLULU LABORATORY
P. O. BOX 3830
HONOLULU, HAWAII 96812

LEIDEN
E. J. BRILL
1981

Vol. 40 Part 3 (pp. 225-320, i-viii) — 9 June 1981
Vol. 41 Part 1 (pp. 1-112) — 10 August 1981
Part 2 (pp. 113-224) — 24 September 1981

Copyright 1981 by E. J. Brill, Leiden, The Netherlands

All rights reserved. No part of this book may be reproduced or translated in any form, by print, photoprint, microfilm, microfiche or any other means without written permission from the publisher

PRINTED IN THE NETHERLANDS

CONTENTS

ABELE, LAWRENCE G., see FINNEY, WRIGHT C.

ANDERSON, GARY & WILLIAM E. DALE, *Probopyrus pandalicola* (Packard) (Isopoda, Epicaridea): morphology and development of larvae in culture 143

ANGEL, M. V., *Conchoecia nasotuberculata* Müller and *C. kyrtophora* Müller, two planktonic halocyprid ostracods that have frequently been confused 46

BEAUCHAMP, J. J., C. W. GEHRS & D. A. WOLF, Statistical evaluation of factors affecting reproduction within a calanoid copepod population .. 29

BISHOP, J. D. D., Selection of lectotypes for species of *Leucon* Krøyer (Peracarida, Cumacea) described from the catch of the Ingolf Expedition 317

Book Announcement 320

BRUCE, A. J., Notes on some Indo-Pacific Pontoniinae, XXXVIII. *Apopontonia dubia* sp. nov., from a southern Queensland sponge host .. 225

CARVACHO, ALBERTO, Le genre *Janira* Leach avec description d'une nouvelle espèce (Isopoda, Asellota) 131

CHENGALATH, R., see HANN, BRENDA J.

COREY, SUSAN, The life history of *Crangon septemspinosa* Say (Decapoda, Caridea) in the shallow sublittoral area of Passamaquoddy Bay, New Brunswick, Canada 21

CRIALES, MARIA MERCEDES, Two new species of *Pseudocoutierea* (Decapoda Natantia, Palaemonidae) from the Colombian Caribbean 167

CRITTENDEN, ROBERT N., Morphological characteristics and dimensions of the filter structures from three species of *Daphnia* (Cladocera) 233

DALE, WILLIAM E., see ANDERSON, GARY.

DAS, P. K., see REDDY, Y. RANGA.

DUNHAM, D. W., Chela efficiency in display and feeding by hermit crabs (Decapoda, Paguridea) 40

DUSSART, B. H., Contribution à l'étude des Copépodes d'Iran 162

FINNEY, WRIGHT C. & LAWRENCE G. ABELE, Allometric variation and sexual maturity in the obligate coral commensal *Trapezia ferruginea* Latreille (Decapoda, Xanthidae) 113

FITZSIMONS, JOHN, Occurrence of *Mysis relicta* Lovén in the western basin of Lake Erie (Mysidacea) 217

GEHRS, C. W., see BEAUCHAMP, J. J.

HANN, BRENDA, J. & R. CHENGALATH, Redescription of *Alonella pulchella* Herrick, 1884 (Cladocera, Chydoridae), and a description of the male 249

HARRISON, K., Preliminary description of a new species of *Ischyromene* (Isopoda, Sphaeromatidae) from the eastern Mediterranean 312
——, see HOLDICH, D. M.
HART, C. W. & H. H. HOBBS, Request 224
HASTINGS, M. H., Intersex specimens of the amphipod *Ampelisce brevicornis* (Costa) 199
HAZLETT, BRIAN A., Agonistic behavior in *Pagurus prideaux* Leach, 1815 (Decapoda, Anomura) 307
HENRY, JEAN-PAUL & GUY MAGNIEZ, Un Aselle cavernicole d'Algérie: *Proasellus notenboomi* n. sp. (Isopoda, Asellota) et nouvelles données sur les Asellides d'Afrique du Nord 206
HOLDICH, D. M., Opportunistic feeding behaviour in a predatory isopod 101
HOLDICH, D. M. & K. HARRISON, The sphaeromatid isopod genus *Sphaeromopsis* Holdich & Jones in African, Australian and South American waters 286
HOLTHUIS, L. B., [Review of] T. H. Butler, Shrimps of the Pacific coast of Canada 319
HUGHES, JOHN T., see SYSLO, MICHAEL.
HUMES, ARTHUR G., *Anthessius nortoni* Illg, 1960 (Copepoda, Cyclopoida) from California 95
IMSAND, SHIRLEY, Orientation of armored euphausiid prey in the stomachs of myctophid fishes 104
International Commission on Zoological Nomenclature 220, 318
KARANDE, A. A. & CHITARU OGURO, Comments on taxonomic characters of *Myriocladus astropectinis* Yosii, 1931 (Ascothoracica) 108
LEBER, KENNETH M., Spatial patterns of *Ocypode quadrata*: a re-evaluation (Decapoda Brachyura) 110
LEWINSOHN, Ch., see MANNING, RAYMOND B.
LEWIS, CINDY AREY, Juvenile to adult shift in feeding strategies in the pedunculate barnacle *Pollicipes polymerus* (Sowerby) (Cirripedia, Lepadomorpha) 14
LIM, SHIRLEY S. L. & LEO W. H. TAN, Larval development of the hairy crab, *Pilumnus vestertilio* (Fabricius) (Brachyura, Xanthidae) in the laboratory and comparisons with larvae of *Pilumnus dasypodus* Kingsley and *Pilumnus sayi* Rathbun 71
LOWRY, J. K., A redescription of *Sphaerophthalmus grobbeni* Spandl based on type material from the Red Sea and new material from the Great Barrier Reef (Amphipoda, Dexaminidae) 190
MADHAVAN, KORNATH & JOHN M. SHRIBBS, Role of photoperiod and low temperature in the control of ovigerous molt in the terrestrial isopod, *Armadillidium vulgare* (Latreille, 1804) 263
MAGNIEZ, GUY, see HENRY, JEAN-PAUL.
MAKINGS, P., *Mesopodopsis slabberi* (Mysidacea) at Millport, W. Scotland, with the parasitic Nematode *Anisakis simplex* 310

MANNING, RAYMOND B. & CH. LEWINSOHN, Selection of a neotype for *Cancer falcatus* Forskål, 1775 (Stomatopoda) 314
MANRIQUE, FERNANDO A., Two new records for land crabs in the Gulf of California (Brachyura, Gecarcinidae) 216
MASTRO, EDWIN, Algal preferences for decoration by the Californian Kelp Crab, *Pugettia producta* (Randall) (Decapoda, Majidae) 64
MESSING, CHARLES GARRETT, Notes on recent changes in Tanaidacean terminology 96
MORIZUR, YVON, Evaluation de la perte d'oeufs lors de l'incubation chez *Nephrops norvegicus* (L.) dans la région Sud-Bretagne, France 301
Notes and News 95, 216, 307
OGURA, CHITARU, see KARANDE, A. A.
PIRES, ANA MARIA SETUBAL, *Sergiella angra* Pires, 1980, a junior synonym of *Paracerceis sculpta* (Holmes, 1904) (Isopoda, Sphaeromatidae) 219
REDDY, Y. RANGA & P. K. DAS, A redescription of *Neodiaptomus satanas* Brehm, 1952 (Copepoda, Calanoida) with critical comments on its present taxonomic status 1
Reviews 221, 319
SHIH, CHANG-TAI, [Review of] Fauna Sinica. Crustacea. Freshwater Cladocera, by Chiang Sieh-Chih and Du Nan-Shan. Freshwater Copepoda, by Research Group of Carcinology 221
SHRIBBS, JOHN M., see MADHAVAN, KORNATH.
STOCK, J. H., [Review of] Robert H. Morris, Donald P. Abbott & Eugene C. Haderlie, 1980. Intertidal Invertebrates of California..... 319
SYSLO, MICHAEL & JOHN T. HUGHES, Vegetable matter in lobster (*Homarus americanus*) diets (Decapoda, Astacidea) 10
TAN, LEO W. H., see LIM, SHIRLEY S. L.
VAUPEL KLEIN, J. C. VON, [Review of] McLaughlin, P. A., 1980. Comparative morphology of recent Crustacea 222
VENABLES, B. J., Oxygen consumption in a tropical beach amphipod, *Talorchestia margaritae* Stephensen: effects of size and temperature 89
——, Energy allocation for growth and metabolism in *Talorchestia margaritae* (Amphipoda, Talitridae) 182
——, Aspects of the population biology of a Venezuelan beach amphipod, *Talorchestia margaritae* (Talitridae), including estimates of biomass and daily production, and respiration rates 271
VERVOORT, W., [Review of] Johnson, Phyllis T., 1980. Histology of the Blue Crab, Callinectes sapidus..... 223
WOLF, D. A., see BEAUCHAMP, J. J.